



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP057N08N3 G	<b>Issued</b>	14. April 2021
<b>MA#</b>	MA005403590		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2037.20 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	4.425	0.22	0.22	2172	2172
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400221	400742
wire	non noble metal	aluminium	7429-90-5	6.606	0.32	0.32	3243	3243
encapsulation	organic material	carbon black	1333-86-4	2.970	0.15		1458	
	miscellaneous	miscellaneous	-	2.970	0.15		1458	
	organic material	phenol formaldehyde resin	9003-35-4	35.634	1.75		17492	
	inorganic material	silicondioxide	14808-60-7	47.512	2.33		23322	
	non noble metal	metal hydroxide	-	47.512	2.33		23322	
	plastics	epoxy resin	29690-82-2	71.268	3.50		34983	
	inorganic material	silicondioxide	60676-86-0	386.036	18.95	29.16	189493	291528
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10535	10535
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.242	0.01		119	
	noble metal	silver	7440-22-4	0.604	0.03		297	
	non noble metal	tin	7440-31-5	1.571	0.08	0.12	771	1187
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.94	28.98	289350	289727
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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